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176641

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHÉM Date (Start): _____
(Completion): _____

Type of action:

- Removal
- IRM
- Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No.

Waste stream name: CHROMIUM SOLID

USEPA hazardous code(s) 0007

Proper DOT shipping name _____

DOT hazard class

DOT I.D. No.

Estimated quantity 30 DRUMS

— Cubic yards
Gallons

Drums
Lab packs

Type 35 GAL

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify)
- ☒ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- | | |
|---|---|
| <input type="checkbox"/> Precipitation | <input type="checkbox"/> Fixation |
| <input type="checkbox"/> Neutralization | <input type="checkbox"/> Stabilization |
| <input type="checkbox"/> Solidification | <input type="checkbox"/> CN destruction |
| <input checked="" type="checkbox"/> Other (specify) <i>NS</i> | |

Disposal options considered:

Feasible

Not feasible

- ☐ Recycle/reuse
- ☐ Fuels blending
- ☐ Incineration
- ☐ Neutralization
- ☒ Precipitation
- ☐ Biological treatment
- ☐ Activated carbon
- ☐ Land treatment
- ☐ Air stripping
- ☐ Landfill
- ☐ Deep-well injection
- ☐ Other

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* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why PRECIPITATION,
TREATMENT PREFERABLE TO LANDFILL

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
<u>CHEM PLAR</u>	<u>CHICAGO, IL</u>	<u>TREATMENT</u>	<u>REJECTED</u>
<u>NELSON INDUSTRIA</u>	<u>DETROIT, MI</u>	<u>TREATMENT</u>	<u>\$165/DRUM</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
<u>NELSON IND.</u>	<u>DETROIT, MI</u>	<u>MI0098011992</u>

Reason: _____

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

- ☒ Precipitation
- ☐ Neutralization
- ☐ Solidification
- ☐ Fixation
- ☐ Stabilization
- ☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name LUSTAK BROS
I.D. No. 100000780320
Manifest No. _____

Cost:

Disposal/treatment: \$
Unit cost 165 / DRUM
Total cost \$4950

Transportation: \$
Per load 725-SHIPPED IN COMBINED LOAD WITH
Total cost 7435 SECOND WASTE STREAM

Transportation and Disposal:
Total \$5385

(12/85)

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A - CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: CHROMIUM WASTE pH ≤ 5

USEPA hazardous code(s) D002

Proper DOT shipping name CORROSIVE LIQUID, N.O.S.

DOT hazard class CORROSIVE MATERIAL

DOT I.D. No. UN 1760

Estimated quantity 20 DRUMS

☐ Cubic yards ☒ Drums Type 55 GAL
☐ Gallons ☐ Lab packs

Waste form:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Water | <input type="checkbox"/> Solid |
| <input checked="" type="checkbox"/> Liquid | <input type="checkbox"/> Soil |
| <input type="checkbox"/> Pumpable sludge | <input type="checkbox"/> Nonpumpable sludge |
| <input type="checkbox"/> Other (specify) _____ | |

Pretreatment of waste before transportation:

- | | |
|---|---|
| <input type="checkbox"/> Precipitation | <input type="checkbox"/> Fixation |
| <input type="checkbox"/> Neutralization | <input type="checkbox"/> Stabilization |
| <input type="checkbox"/> Solidification | <input type="checkbox"/> CN destruction |
| <input checked="" type="checkbox"/> Other (specify) <u>NA</u> | |

Disposal options considered:

- ☐ Recycle/reuse
☐ Fuels blending
☐ Incineration
☒ Neutralization
☐ Precipitation
☐ Biological treatment
☐ Activated carbon
☐ Land treatment
☐ Air stripping
☐ Landfill
☐ Deep-well injection
☐ Other

Feasible

☐
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Not feasible

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* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why NEUTRALIZATION
FEASIBILITY, COST

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
<u>PHEN CLEAR</u>	<u>CHICAGO, IL</u>	<u>TREATMENT</u>	<u>REJECTED</u>
<u>NELSON INDUSTRIAL</u>	<u>DETROIT, MI</u>	<u>TREATMENT</u>	<u>\$215/DRUM</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
<u>ME</u>	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
<u>NELSON IND.</u>	<u>DETROIT, MI</u>	<u>MI0098011992</u>

Reason: _____

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

- ☒ Precipitation
- ☒ Neutralization
- ☐ Solidification
- ☐ Fixation
- ☐ Stabilization
- ☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name LUSTAK BROS
I.D. No. 120000780320
Manifest No. _____

Cost:

Disposal/treatment: \$215/DRUM
Unit cost _____
Total cost \$4300

Transportation: \$725 - SHIPPED IN COMBINED LOAD WITH
Per load _____ AND WASTE STREAM
Total cost \$290

Transportation and Disposal:
Total \$4590

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:
☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: pH < 1

USEPA hazardous code(s) D002

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 3 DRUMS (165 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

☐ Recycle/reuse
☐ Fuels blending
☐ Incineration
☒ Neutralization
☒ Precipitation
☐ Biological treatment
☐ Activated carbon
☐ Land treatment
☐ Air stripping
☐ Landfill
☐ Deep-well injection
☐ Other

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* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$ 120/DRUM + \$ 0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILL000608471
Reason: COST OF TREATMENT; PROXIMITY TO SITE RAPID ACCEPTANCE OF WASTE		
_____	_____	_____
_____	_____	_____

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. MI 1613332

Cost:

Disposal/treatment
Unit cost \$120.55/DRUM
Total cost \$361.65

Transportation:
Per load \$14.29 - WASTE SHIPPED IN COMBINATION WITH
Total cost \$14.29 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total \$375.94

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: PH 13

USEPA hazardous code(s) 2002

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 4 DRUMS (220 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- ☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

- | | | |
|--|---|----|
| <input type="checkbox"/> Recycle/reuse | — | X |
| <input type="checkbox"/> Fuels blending | — | XX |
| <input type="checkbox"/> Incineration | — | XX |
| <input checked="" type="checkbox"/> Neutralization | X | — |
| <input checked="" type="checkbox"/> Precipitation | X | — |
| <input type="checkbox"/> Biological treatment | — | X |
| <input type="checkbox"/> Activated carbon | — | X |
| <input type="checkbox"/> Land treatment | — | XX |
| <input type="checkbox"/> Air stripping | — | X |
| <input type="checkbox"/> Landfill | X | — |
| <input type="checkbox"/> Deep-well injection | — | X |
| <input type="checkbox"/> Other | — | — |

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$ 95/DRUM + \$ 0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471
Reason: COST OF TREATMENT; PROXIMITY TO SITE		
RAPID ACCEPTANCE OF WASTE		

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 00000280320
Manifest No. MI 1613537

Cost:

Disposal/treatment: \$
Unit cost \$95.55/DRUM
Total cost \$382.20

Transportation: \$
Per load 200 - WASTE SHIPPED IN COMBINATION WITH
Total cost \$19.05 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total \$401.25

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: LOW LEVEL HEXAVALENT CHROMIUM

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 2 DRUM (110 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- ☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

- ☐ Recycle/reuse
☐ Fuels blending
☐ Incineration
☒ Neutralization
☒ Precipitation
☐ Biological treatment
☐ Activated carbon
☐ Land treatment
☐ Air stripping
☐ Landfill
☐ Deep-well injection
☐ Other

Feasible

Not feasible

<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$110/DRUM + \$0.01/GAL. TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell
Liner type ☐

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000780320
Manifest No. MI 1613538

Cost:

Disposal/treatment
Unit cost \$10.55/DRUM
Total cost \$227.10

Transportation:
Per load \$200 - WASTE SHIPPED IN COMBINATION WITH
Total cost \$9.52 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total \$230.62

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: CAUSTIC WASTE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 3 DRUMS (165 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- ☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

- | | | |
|--|---|---|
| <input type="checkbox"/> Recycle/reuse | — | X |
| <input type="checkbox"/> Fuels blending | — | X |
| <input type="checkbox"/> Incineration | — | X |
| <input checked="" type="checkbox"/> Neutralization | X | — |
| <input checked="" type="checkbox"/> Precipitation | X | — |
| <input type="checkbox"/> Biological treatment | — | X |
| <input type="checkbox"/> Activated carbon | — | X |
| <input type="checkbox"/> Land treatment | — | X |
| <input type="checkbox"/> Air stripping | — | X |
| <input type="checkbox"/> Landfill | X | — |
| <input type="checkbox"/> Deep-well injection | — | X |
| <input type="checkbox"/> Other | — | — |

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$35/DRUM + \$0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILL0000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. ME 1613538

Cost:

Disposal/treatment: \$55.55/DRUM
Unit cost _____
Total cost \$256.65

Transportation: \$200/- WASTE SHIPPED IN COMBINATION WITH
Per load 114.29 OTHER WASTE STREAMS AT SITE
Total cost _____

Transportation and Disposal:
Total \$270.94

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: CHROMIUM WASTE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 25 DRUMS (1375 GALLONS)

☐ Cubic yards ☒ Drums Type 55 GALLON
☐ Gallons ☐ Lab packs

Waste form:

- ☐ Water ☐ Solid
☐ Liquid ☐ Soil
☐ Pumpable sludge ☐ Nonpumpable sludge
☐ Other (specify) _____

Pretreatment of waste before transportation:

- ☐ Precipitation ☐ Fixation
☐ Neutralization ☐ Stabilization
☐ Solidification ☐ CN destruction
☒ Other (specify) NA

Disposal options considered:	Feasible	Not feasible
<input type="checkbox"/> Recycle/reuse	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fuels blending	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Incineration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Neutralization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Precipitation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Biological treatment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Activated carbon	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Land treatment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Air stripping	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Landfill	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Deep-well injection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$140/CRJ + \$0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. ME 1613536

Cost:

Disposal/treatment
Unit cost 140.55/DRUM
Total cost 3513.75

Transportation
Per load 200 - WASTE SHIPPED IN COMBINATION WITH
Total cost 119.05 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total 3632.80

(12/00)

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 1894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: RINSE WATER

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 23154 GALLONS

☒ Cubic yards ☐ Drums Type _____
☒ Gallons BULK ☐ Lab packs

Waste form:

- ☒ Water ☐ Solid
☐ Liquid ☐ Soil
☐ Pumpable sludge ☐ Nonpumpable sludge
☐ Other (specify) _____

Pretreatment of waste before transportation:

- ☐ Precipitation ☐ Fixation
☐ Neutralization ☐ Stabilization
☐ Solidification ☐ CN destruction
☒ Other (specify) NONE

Disposal options considered:	Feasible	Not feasible
<input type="checkbox"/> Recycle/reuse	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fuels blending	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Incineration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Neutralization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Precipitation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Biological treatment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Activated carbon	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Land treatment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Air stripping	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Landfill	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Deep-well injection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why NEUTRALIZATION
COST, FEASIBILITY

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
<u>CHEM CLEAR</u>	<u>CHICAGO, IL</u>	<u>TREATMENT</u>	<u>\$0.285/gal + \$0.01/gal TAX</u>

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
<u>CHEM CLEAR</u>	<u>CHICAGO, IL</u>	<u>ILD0000608471</u>

Reason: COST OF TREATMENT; PROXIMITY TO
SITE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☐ Precipitation
☒ Neutralization
☐ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell
Liner type ☐

Transporter:

Name M.D. AMERICA ENVIRONMENT (4 LOADS)
I.D. No. -----
Manifest No. -----
JACK GRAY TRANSPORT (1 LOAD)

Cost:

Disposal/treatment:
Unit cost \$0.295/GALLON
Total cost \$6830.43

Transportation:
Per load \$490 + DEMURRAGE
Total cost \$2880.01

Transportation and Disposal:
Total \$9710.44

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$22/PAIL
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILL000608471

Reason: COST OF TREATMENT, PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

- ☐ Precipitation
- ☐ Neutralization
- ☐ Solidification
- ☐ Fixation
- ☐ Stabilization
- ☐ Other

Landfill information (if applicable):

Cell _____
Liner type ☐

Transporter:

Name _____
I.D. No. _____
Manifest No. _____

Cost:

Disposal/treatment: \$
Unit cost \$22 / PAIL
Total cost \$1650

Transportation:
Per load _____
Total cost _____

Transportation and Disposal:
Total _____

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$110/DRUM + \$0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☐ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. MT 1613536

Cost:

Disposal/treatment: \$
Unit cost \$ 110.55
Total cost \$ 221.10

Transportation: \$
Per load 200 WASTE SHIPPED IN COMBINATION WITH
Total cost \$ 9.52 OTHER WASTE STREAMS AT SITE

Transportation and Disposal: \$
Total \$ 230.62

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:
☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: SODIUM HYDROXIDE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 26 DRUMS (1430 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

<input type="checkbox"/> Recycle/reuse	—	X
<input type="checkbox"/> Fuels blending	—	X
<input type="checkbox"/> Incineration	—	X
<input checked="" type="checkbox"/> Neutralization	X	—
<input checked="" type="checkbox"/> Precipitation	X	—
<input type="checkbox"/> Biological treatment	—	X
<input type="checkbox"/> Activated carbon	—	X
<input type="checkbox"/> Land treatment	—	X
<input type="checkbox"/> Air stripping	—	X
<input type="checkbox"/> Landfill	X	—
<input type="checkbox"/> Deep-well injection	—	X
<input type="checkbox"/> Other	—	—

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	NO CHARGE \$0.01/GALLON TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471
Reason: <u>LOST OF TREATMENT; PROXIMITY TO SITE</u> <u>RAPID ACCEPTANCE OF WASTE</u>		
_____	_____	_____
_____	_____	_____

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

- ☒ Precipitation
- ☒ Neutralization
- ☒ Solidification
- ☐ Fixation
- ☐ Stabilization
- ☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK Bros
I.D. No. IN 00000780320
Manifest No. MT 161.3536

Cost:

Disposal/treatment: \$0.55 / DRUM
Unit cost _____
Total cost \$14.30

Transportation: 200 - WASTE SHIPPED IN COMBINATION WITH
Per load 123.81 OTHER WASTE STREAMS AT SITE
Total cost 123.81

Transportation and Disposal:
Total 138.11

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:
☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: SODIUM HYDROXIDE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 3 DRUMS (165 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

<input type="checkbox"/> Recycle/reuse	—	X
<input type="checkbox"/> Fuels blending	—	X
<input type="checkbox"/> Incineration	—	X
<input checked="" type="checkbox"/> Neutralization	X	—
<input checked="" type="checkbox"/> Precipitation	X	—
<input type="checkbox"/> Biological treatment	—	X
<input type="checkbox"/> Activated carbon	—	X
<input type="checkbox"/> Land treatment	—	X
<input type="checkbox"/> Air stripping	—	X
<input type="checkbox"/> Landfill	X	—
<input type="checkbox"/> Deep-well injection	—	X
<input type="checkbox"/> Other	—	—

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$ 110/DRUM + \$ 0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILL0000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☐ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. MI 1613584

Cost:

Disposal/treatment: \$10.55/DRUM
Unit cost _____
Total cost \$331.65

Transportation: \$19.48
Per load 600 - WASTE SHIPPED IN COMBINATION WITH
Total cost \$19.48 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total \$6460.71

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: SODIUM HYDROXIDE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 20 DRUMS (1100 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- ☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

Feasible

Not feasible

- | | | |
|--|---|---|
| <input type="checkbox"/> Recycle/reuse | — | X |
| <input type="checkbox"/> Fuels blending | — | X |
| <input type="checkbox"/> Incineration | — | X |
| <input checked="" type="checkbox"/> Neutralization | X | — |
| <input checked="" type="checkbox"/> Precipitation | X | — |
| <input type="checkbox"/> Biological treatment | — | X |
| <input type="checkbox"/> Activated carbon | — | X |
| <input type="checkbox"/> Land treatment | — | X |
| <input type="checkbox"/> Air stripping | — | X |
| <input type="checkbox"/> Landfill | X | — |
| <input type="checkbox"/> Deep-well injection | — | X |
| <input type="checkbox"/> Other | — | — |

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	NO CHARGE \$ 0.01/GALLON TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILD000608471
Reason: COST OF TREATMENT; PROXIMITY TO SITE RAPID ACCEPTANCE OF WASTE		
_____	_____	_____
_____	_____	_____

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell _____
Liner type _____

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. MI 1613584

Cost:

Disposal/treatment: \$0.55/DRUM
Unit cost _____
Total cost \$11.00

Transportation: \$500
Per load 500 WASTE SHIPPED IN COMBINATION WITH
Total cost \$129.87 OTHER WASTE STREAMS AT SITE

Transportation and Disposal:
Total \$140.87

PEI ASSOCIATES, INC.
ERCS PROGRAM MANAGEMENT OFFICE
- DISPOSAL DETERMINATION FLOWSHEET - *

Delivery Order No.: 6894-05-063 Initiated by: _____

Site name: A-CHEM Date (Start): _____
(Completion): _____

Type of action:

- ☐ Removal
☐ IRM
☐ Remedial

Site location: CHICAGO, IL

Generator USEPA I.D. No. _____

State ERRIS No. _____

Waste stream name: SODIUM HYDROXIDE

USEPA hazardous code(s) _____

Proper DOT shipping name _____

DOT hazard class _____

DOT I.D. No. _____

Estimated quantity 54 DRUMS (2970 GALLONS)

☐ Cubic yards
☐ Gallons

☒ Drums
☐ Lab packs

Type 55 GALLON

Waste form:

- ☐ Water
☐ Liquid
☐ Pumpable sludge
☐ Other (specify) _____
☐ Solid
☐ Soil
☐ Nonpumpable sludge

Pretreatment of waste before transportation:

- ☐ Precipitation
☐ Neutralization
☐ Solidification
☒ Other (specify) NA
☐ Fixation
☐ Stabilization
☐ CN destruction

Disposal options considered:

- ☐ Recycle/reuse
☐ Fuels blending
☐ Incineration
☒ Neutralization
☒ Precipitation
☐ Biological treatment
☐ Activated carbon
☐ Land treatment
☐ Air stripping
☐ Landfill
☐ Deep-well injection
☐ Other

Feasible

Not feasible

- | | |
|---|---|
| — | X |
| — | X |
| — | X |
| X | — |
| X | — |
| — | X |
| — | X |
| — | X |
| X | — |
| — | X |

* One Disposal Determination Flowsheet must be completed for each waste stream.

Disposal option selected, reasons why _____

Disposal facilities considered for bid:

<u>Site</u>	<u>Location</u>	<u>Type</u>	<u>Bid</u>
CHEM CLEAR	CHICAGO, IL	TREATMENT	\$110/DRUM + \$0.01/GAL TAX
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Disposal facility(ies) specifically precluded from bidding:

<u>Site</u>	<u>Location</u>	<u>Reason</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Disposal facility selected:

<u>Site</u>	<u>Location</u>	<u>EPA I.D. No.</u>
CHEM CLEAR	CHICAGO, IL	ILL000608471

Reason: COST OF TREATMENT; PROXIMITY TO SITE
RAPID ACCEPTANCE OF WASTE

Compliance status:

USEPA confirmation: _____

Date _____

Pre-treatment at final disposal site:

☒ Precipitation
☒ Neutralization
☒ Solidification
☐ Fixation
☐ Stabilization
☐ Other

Landfill information (if applicable):

Cell
Liner type ☐

Transporter:

Name JUSTAK BROS
I.D. No. IN 0000280320
Manifest No. MI 1613589

Cost:

Disposal/treatment: \$110.55 / DRUM
Unit cost
Total cost \$5969.70

Transportation: \$500 WASTE SHIPPED IN COMBINATION WITH
Per load 350.65 OTHER WASTE STREAMS AT SITE
Total cost

Transportation and Disposal:
Total \$6320.35